Proposal Full View

Print

Applicant Information

Organization Name	Orange, County of *
Tax ID	**956000928**
Proposal Name	Haster Retarding Basin and Haster Pump Station *
Proposal Objective	The Haster Retarding Basin and Pump Station project is of regional significance and as part of the East Garden Grove-Wintersburg Channel system which extends 11.5 miles from the ocean to Anaheim. The objectives of the project are as follows: (1) Increase the storage capacity of Haster Basin to accommodate large storm events by pumping out water from the Basin during the early portion of storm events to ensure there is sufficient capacity during the peak of the storm. (2) Provide increased regional flood protection to surrounding neighborhoods and downstream areas by reducing the likelihood of overtopping of the Basin during storm events. The 100-year flow rate expected into Haster Basin is 2,200 cubic feet per second and the downstream channel capacity is 460 cubic feet per second; without the proposed pump station overbank flow would flood the homes surrounding the basin. (3) Increase the capacity of the downstream reach of the East Garden Grove Wintersburg Channel from Haster Basin to Aspenwood, to a maximum of 460 cubic feet per second as compared to the current capacity of 400 cubic feet per second. This will be accomplished by reconstructing the outlet channel within the specified reach. (4) Allow for improvement of deficient upstream flood facilities that at this time cannot be improved to full 100-year conveyance due to the possibility of overwhelming deficient downstream flood facilities (i.e., Haster Basin). (5) Maintain the ability of the existing Basin to recharge groundwater and evaporate all summer urban runoff into the Basin so there is no discharge from the Basin during the summer. (6) Provide water quality treatment. *

Budget

Other Contribution	$0.00
Local Contribution	$15,677,100.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$15,677,100.00 *
Total Project Cost	$31,354,200.00 *

Geographic Information

Latitude *	DD(+/-)	33	MM	46	SS	43	
Longitude *	DD(+/-)	117	MM	54	SS	34	
Longitude/Latitude Clarification					Location		City of Garden Grove in Orange County
County					Orange *		
Ground Water Basin					Coastal Plain Of Orange County		
Hydrologic Region					South Coast		
Watershed	Watershed 49 4801 Santa Ana River						

Legislative Information

Assembly District	69th Assembly District *
Senate District	34th Senate District *
US Congressional District	District 47 (CA) *

Project Information

Project Benefits Information

Project Name: Haster Retarding Basin and Pump Station

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	0	
Secondary	Ecosystem: Riparian Habitat	1	The banks of the existing lake will be converted from non-native turf grass to riparian habitat
Tertiary	Park	2.50	A portion of the existing basin will be filled to construct a recreational field in a disadvantaged community

Budget

Other Contribution	0
Local Contribution	15677100

Federal Contribution	0
Inkind Contribution	0
Amount Requested	15677100
Total Project Cost	31354200

Geographic Information

Latitude DD(+/-)	33	MM 46	SS 43	
Longitude DD(+/-)	117	MM 54	SS 34	
Longitude/Latitude Clarification			Location	City of Garden Grove in

County	Orange
Ground Water Basin	Coastal Plain Of Orange County
Hydrologic Region	South Coast
WaterShed	Watershed 49

Legislative Information

Assembly District	69th Assembly District
Senate District	34th Senate District
US Congressional District	District 47 (CA)

Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

The Haster Basin project site is located in Twin Lakes Freedom Park at 12952 Lampson Avenue at the southwest corner of Lampson Avenue and Haster Street, in the City of Garden Grove, County of Orange, California. Haster Basin (Basin) is a multipurpose 21.2-acre flood control facility owned and operated by the Orange County Flood Control District (District). The District also owns the Park with the exception of 1.21 acres adjacent to Haster Street owned by the City of Garden Grove that contains a playground and a domestic water well, and a small part of the northwest corner of the Park. Analysis of the existing Basin shows that the Basin now serves a limited flood control function and is only capable of handling the equivalent of a 5-year storm event; thus, the facility must be upgraded to prevent the overtopping of the Basin during storm events. The primary improvements of the proposed project are expansion of the existing retarding basin and construction of a new pump station to provide 100-year flood protection to the watershed. The proposed project includes the following elements: ??? Basin Expansion to increase floodwater storage from 154 to 207 acre-feet. ??? Construction of a new 460 cfs pump station at the southwest corner of the Basin. ??? Downstream improvements to the East Garden Grove Wintersburg Channel to increase capacity, between the new pump station and Aspenwood Lane. ??? Filling a portion of the Basin for an active sports recreation area. ??? Construction of a triple-barrel concrete flood control box under the existing parking lot and fill area. ??? The existing 44 car parking lot will be reconfigured and expanded. The new parking lot will have approximately 80 parking spaces. ??? Construction of a driveway/construction access road off Haster Street, which will be converted to a permanent entrance/exit to the new parking lot at the end of construction. ??? Construction of landscaping and irrigation system improvements. The proposed 460 cfs pump station would include three natural gas engines, discharge lines, a wet well, a trash rack, auxiliary propane tanks, generators, and electrically operated sump pumps. The pump station would be equipped with a control room and bathroom, and will be housed within a two-story-high masonry block building finished with stucco, Spanish-style tile roofs, and other architectural features. The proposed basin expansion and the new pump station, in conjunction with improvements to the flood channels upstream and downstream of the basin, will provide 100-year-level flood protection once all improvements are complete.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Jess A. Carbajal, Director OC Public Works 300 N. Flower Street Santa Ana, CA 92703 jess.carbajal@ocpw.ocgov.com

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Vincent Gin, P.E. Manager, Project Management Section 300 N. Flower Street Santa Ana, CA 92703 vincent.gin@ocpw.ocgov.com 714-834-5732

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

County of Orange OC Public Works 300 N. Flower Street Santa Ana, CA 92703 www.ocpublicworks.com The online application was filled out by: Jim Volz, P.E. Senior Civil Engineer 300 N. Flower Street Santa Ana, CA 92703 james.volz@ocpw.ocgov.com 714-834-2037

Q5. ADDITIONAL INFORMATION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

The funding area in which the project is located in the Santa Ana Sub-Region.

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD (S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.
http://www.waterboards.ca.gov/waterboards_map.shtml

Region 8 - Santa Ana Regional Water Quality Control Board

Q7. ELIGIBILITY

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes. The IRWM planning region is the Santa Ana Watershed Project Authority (SAWPA) which is approved in the RAP.

Q8. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes. The applicant is a local agency as defined in Appendix B of the Grant Guidelines.

Q9. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

There are no urban water suppliers that will receive funding from the proposed Haster Retarding Basin and Pump Station grant.

Q10. ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

No urban water suppliers are listed in Q9 above.

Q11. ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

No urban water suppliers are listed in Q9 above.

Q12. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

N/A

Q13. ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

N/A

Q14: ELIGIBILITY

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

a) Yes
b) No

Q15: ELIGIBILITY

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

a) Yes
b) No

Q16: ELIGIBILITY

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

b) No

NOTES TO BMS ADMINISTRATOR

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_Eligible_1ofTotal1.pdf

Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments:

Upload additional Authorization and Eligibility documentation here.
Last Uploaded Attachments:

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_SWF_Adopt_1ofTotal1.pdf

Upload additional Proof of Formal Adoption documentation here.
Last Uploaded Attachments:

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.
Last Uploaded Attachments:

Upload additional Proof of Formal Adoption documentation here.

ATTACHMENT 3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att3_SWF_Work Plan_1ofTotal5.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_WorkPlan_2ofTotal5.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_WorkPlan_3ofTotal5.pdf

Upload additional work plan components here.

Upload additional work plan components here.
Last Uploaded Attachments: Att3_SWF_WorkPlan_5ofTotal5.pdf

Upload additional work plan components here.
Last Uploaded Attachments:
Att3_SWF_WorkPlan_4ofTotal5.pdf

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att4_SWF_Budget_1ofTotal1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att5_SWF_Schedule_1ofTotal1.pdf

Upload additional schedule components here.

Upload additional schedule components here. **Upload additional schedule components here.**

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here. **Upload additional Monitoring, Assessment, and Performance Measures here.**

Upload additional Monitoring, Assessment, and Performance Measures here. **Upload additional Monitoring, Assessment, and Performance Measures here.**

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_DReduc_1ofTotal2.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_SWF_DReduc_2ofTotal2.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here. **Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.**

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_WSBen_1ofTotal1.pdf

Upload additional - Water Supply Costs and Benefits documentation here. **Upload additional - Water Supply Costs and Benefits documentation here.**

Upload additional - Water Supply Costs and Benefits documentation here. **Upload additional - Water Supply Costs and Benefits documentation here.**

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_SWF_WQOtherBen_1ofTotal3.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att9_SWF_WQOtherBen_2ofTotal3.pdf

Upload additional Water Quality and Other Expected Benefits documentation here. **Upload additional Water Quality and Other Expected Benefits documentation here.**

Last Uploaded Attachments: Att9_SWF_WQOtherBen_3ofTotal3.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_SWF_CBSummary_1ofTotal1.pdf

Upload additional Costs and Benefits Summary documentation here. **Upload additional Costs and Benefits Summary documentation here.**

Upload additional Costs and Benefits Summary documentation here. **Upload additional Costs and Benefits Summary documentation here.**

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_SWF_Preference_1ofTotal1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here. **Upload additional Program Preference documentation here.**

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

Upload additional AB1420 and Water Meter Compliance documentation here. **Upload additional AB1420 and Water Meter Compliance documentation here.**

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here. **Upload additional Stormwater Resources Plan documentation here.**

Upload additional Stormwater Resources Plan documentation here.